urmet
DOMUS

DS1057-002A

MICROPROCESSOR CENTRAL UNIT
WITH DISPLAY AND CONTROL KEYBOARD

Sch. 1057/008

USER'S MANUAL

SUMMARY

INTRODUCTION

SYMBOLS USED

► indicates the key ⟨Y►⟩ on the keyboard   **OK** indicates the key ⟨OK⟩ on the keyboard

◄ indicates the key ⟨◄Λ⟩ on the keyboard   **ESC** indicates the key ⟨ESC⟩ on the keyboard

GENERAL WARNINGS

Batteries must be disposed of according to the laws in force.
For products that use lithium batteries, there is a small risk of explosion if the battery is not disposed of correctly. Replace only with batteries of the same type, or of equivalent type as recommended by the builder.

1   CENTRAL UNIT, KEYBOARD AND REMOTE CONTROL

1.1   DESCRIPTION OF CENTRAL UNIT CONTROLS
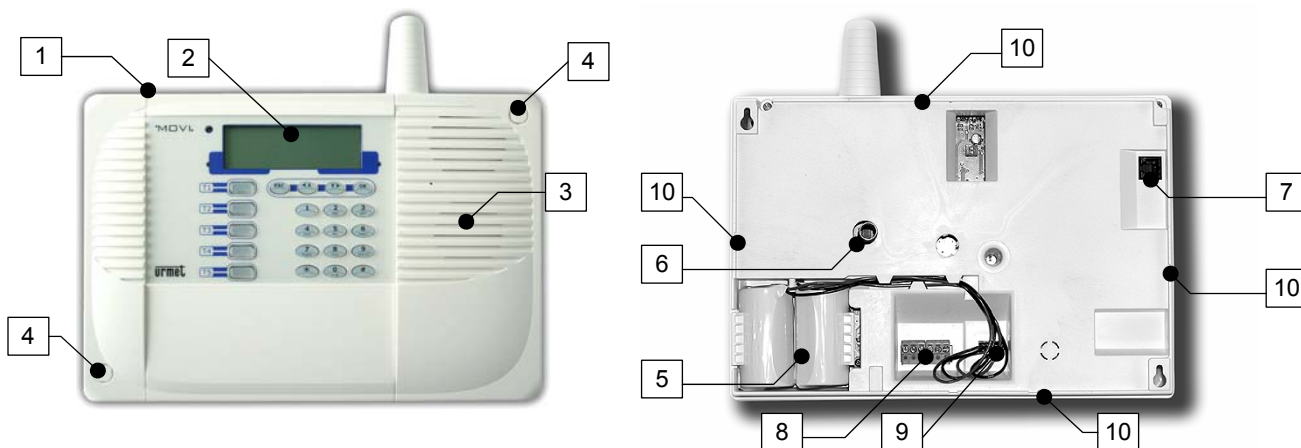
1. Jack for earphones with microphone.
2. Keyboard and LCD display.
3. Internal siren.
4. Holes for wall mounting (in the picture of the front side the holes are closed by finishing caps).
5. Lithium batteries.
6. Anti-violation tamper spring.
7. Hole for phone cable input.
8. Relay output terminal board connectors (max 24 Vc.c. – 1 A).
9. Battery connectors.
10. Pre-perforated phone cable passage
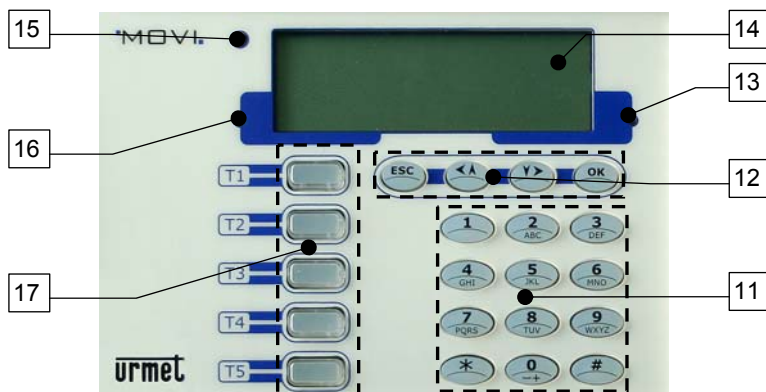
11. Alpha-numerical keys for inserting numbers and letters.
12. Keys used for menu navigation and for confirming operations.
13. Failure signaling LED (blinks in case of system failures).

14. Liquid crystal display: shows the icons that indicate the system's status, and the items of the programming menu. At rest, it alternatively shows the current date and time.
15. Crepuscular sensor (enables the backlighting of the display in the presence of insufficient light).
16. Alarm signaling LED (blinks in the presence of memorized alarms).
17. Function keys (allow quick access to programmed functions).

1.1.1 ICONS AND THEIR MEANINGS

Thanks to the icons that appear on the liquid crystal display, the system's status can be monitored at a glance. Some icons are always present, while others appear only when certain events occur.

For details regarding each indication, proceed as follows:
- Press the **OK** key on the keyboard.
- The first visible icon blinks, and the display shows the generic name of the indication. Use the ► and ◄ keys to move through the different icons displayed.
- Press the **OK** key for details regarding the indication (for example «SABOTAGE ON...»).
- Press the ► key again to visualize the other indications of the same type.
- Press **ESC** key to finish.

Through the low batteries indication or alarm, it's possible to identify which device has low batteries.
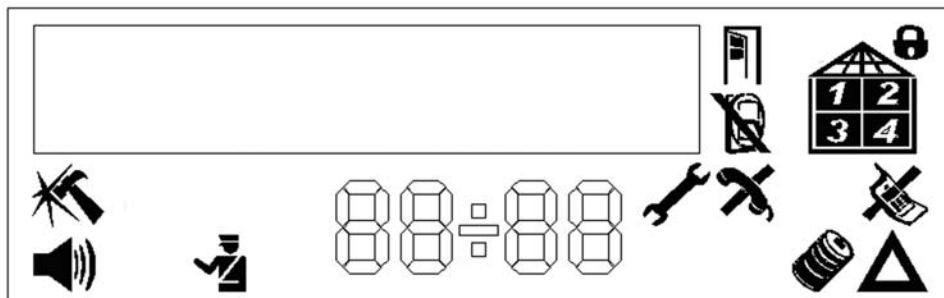By consulting the details of the alarm memory (sabotage, intrusion alarm, panic alarm), the signal is automatically deleted if the event that caused the alarm has terminated. The intrusion alarm and sabotage icons are also automatically deleted when the system is reactivated (the icon is no longer displayed).

The icons regarding the entire system's battery charge and the activation status of the antitheft zones are always present.

INDICATION OF BATTERIES OK
All of the system's batteries have over 50% residual charge.

INDICATION OF BATTERIES AT 50%
One or more of the system's batteries are charged less than 50%.

BATTERIES LOW
One or more of the system's batteries are almost flat, and must be replaced within a month. This icon is shown together with the failure signaling LED (13).

SYSTEM ACTIVE
The "lock" is turned on when one or more system zones are activated.

ZONES ACTIVE
With the system active, the areas of the "house" icon corresponding to active zones are illuminated.
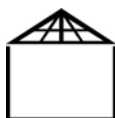
SYSTEM DEACTIVATED
With the system totally deactivated, only the borders of the "house" are shown.

The following icons are normally not present. They indicate an alarm or a system failure.

SABOTAGE ALARM MEMORY
Is turned on together with the alarm signaling LED (16) to memorize a sabotage-type alarm.

INTRUSION ALARM MEMORY
Is turned on together with the alarm signaling LED (16) to memorize a intrusion-type alarm.

PANIC ALARM MEMORY
Is turned on together with the alarm signaling LED (16) to memorize a panic-type alarm.

SIGNALING OF PSTN TELEPHONE LINE BUSY
Is turned on together with the failure signaling LED (13) to indicate a busy phone line during a test. Only valid for models equipped with the PSTN communicator module.

ABSENCE OF PSTN TELEPHONE LINE ALARM MEMORY
Is turned on together with the failure signaling LED (13) to indicate and memorize telephone line absence. Only valid for models equipped with the PSTN communicator module.

SYSTEM MAINTENANCE SIGNAL
Is turned on to signal access to the «TECHNICAL» menu.

DETECTOR ACTIVATION SIGNAL
Is turned on together with the failure signaling LED (13) to indicate the activation of a detector.

DETECTOR DEACTIVATION SIGNAL
Is turned on together with the failure signaling LED (13) to indicate the exclusion of one or more detectors.

ABSENCE OF GSM TELEPHONE LINE ALARM MEMORY
Is turned on together with the failure signaling LED (13) to indicate and memorize GSM telephone line absence. Only valid for models equipped with the PSTN communicator and GSM modules.

FAILURE ALARM MEMORY
Is turned on together with the failure signaling LED (13) to indicate a failure.

1.2 DESCRIPTION OF THE AUXILIARY CONTROL KEYBOARD
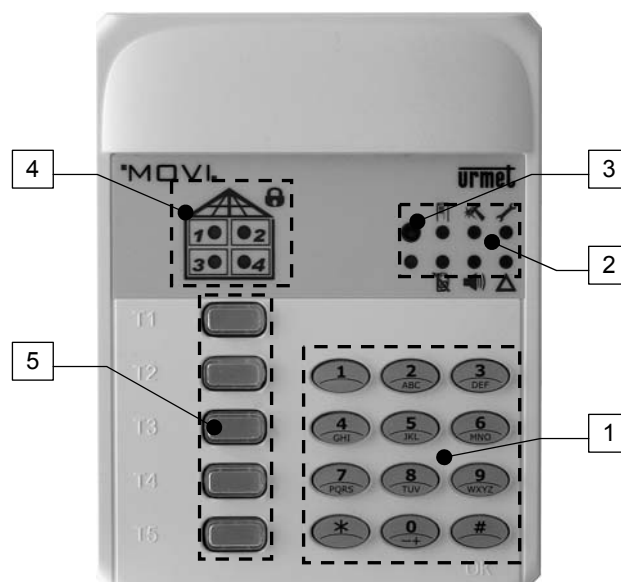
1. Alpha-numerical keys for inserting numbers and letters
2. System status signaling LED
3. Crepuscular sensor (enables backlighting the keyboard in the presence of insufficient light).
4. System status signaling LED (green LED = zone deactivated, red LED = zone activated).
5. Function keys (allow quick access to the programmed functions)
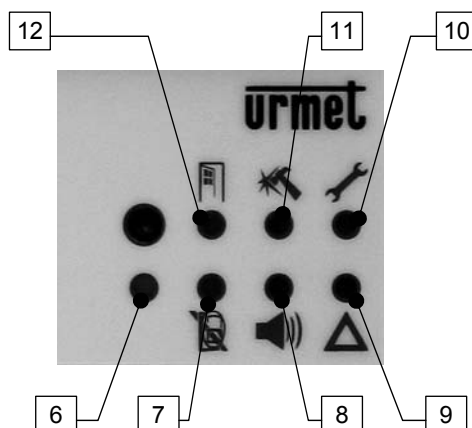
6. SYSTEM STATUS – Summarizes the system's status requested by pressing the **OK** (#) key: green LED = system activated, nothing to signal; red LED = alarms or system failure. To visualize details, insert a valid access code and confirm by pressing **OK**. The information visualized is related to the code inserted. For example it regards only the zone that can be activated or deactivated with that specific code inserted (in this case, no information is given regarding the other zones). Press the **OK** key again to turn off signaling without waiting for the time-out period.
7. DETECTOR DEACTIVATION SIGNAL – Is turned on to indicate the exclusion of one or more detectors.
8. INTRUSION ALARM MEMORY – Memorizes an intrusion-type alarm. The indication is cancelled from the memory at next system activation if the cause of the alarm is eliminated.
9. FAILURE ALARM MEMORY – Memorizes system failure (the LED blinks). The indication is cancelled from the memory at next system activation if the cause of the alarm is eliminated.
10. SYSTEM IN MAINTENANCE SIGNAL – Indicates access to the maintenance menu.
11. SABOTAGE ALARM MEMORY – Memorizes a sabotage-type alarm. The indication is cancelled from the memory at next system activation if the cause of the alarm is eliminated.
12. DETECTOR ACTIVATION SIGNAL – Is turned on to indicate the activation of a detector (for example, a door left open or someone who moves in front of a volumetric detector).

1.3 DESCRIPTION OF THE REMOTE CONTROL

Short pressure (1 sec):
activation/deactivation zone 1
Long pressure (3 sec):
zone 1 status request

Short Pressure (1 sec):
activation/deactivation zone 2
Long Pressure (3 sec):
zone 2 status request

Short Pressure (1 sec):
total activation/deactivation
Long Pressure (3 sec):
system status request

Short Pressure (1 sec): activation/deactivation zone 1
Long Pressure (3 sec): zone 1 status request (green LED = deactivated, red LED = activated)

Short pressure (1 sec): activation/deactivation zone 2
Long pressure (3 sec): zone 2 status request (green LED = deactivated, red LED = activated)

Short Pressure (1 sec): activation/deactivation zone 3
Long Pressure (3 sec):): zone 3 status request (green LED = deactivated, red LED = activated)

Short Pressure (1 sec): total system activation
Long Pressure (3 sec): system status request (green LED = deactivated, red LED = activated)

Short pressure (1 sec): total system deactivation
Long pressure (3 sec): system status request (green LED = deactivated, red LED = activated)

2 ALARMS AND SYSTEM STATUS SIGNALS

2.1 EXTERNAL SIREN
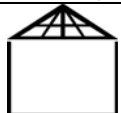
Event	Acoustic signal	Blinking	Editable
Intrusion alarm	●	●	See paragraph *9.6 External Siren* of the Installation and Programming manual
Sabotage alarm	●		
Panic alarm	●		
Sabotage radio alarm			
Total system activation	1 beep		
Total system deactivation	4 beeps	●	
Partial system activation	1 beep		
Partial system deactivation	4 beeps	●	

2.2 INTERNAL SIREN

Event	Acoustic signal	Editable
Intrusion Alarm	●	See paragraph *9.5 Central Unit Siren* of the Installation and Programming manual
Sabotage Alarm	●	
Panic Alarm	●	
Sabotage Radio Alarm	●	
Total system activation	1 beep	
Total system deactivation	4 beeps	
Partial system activation	1 beep	
Partial system deactivation	4 beeps	

2.3 CENTRAL UNIT SIGNALING

Event	Display
Intrusion Alarm	
Sabotage Alarm	
Panic Alarm	
Failure Alarm	
Detector Activation Signal	

Detector Deactivation Signal	
Battery charge indication	, ,
Signaling of PSTN telephone line busy	
Signaling of PSTN telephone line absence	
Total system activation	,
Total system deactivation	
Partial system activation	House with some numbered zones,
Partial system deactivation	House with some empty zones,
System in maintenance	

2.4   AUXILIARY CONTROL KEYBOARD

Event	ACOUSTIC SIGNAL	LED	Editable
Intrusion Alarm			
Sabotage Alarm			
Panic Alarm			
Failure Alarm			
Detector Activation Signal			
Detector Deactivation Signal			
Batteries charged indication			
Signaling of PSTN telephone line busy			
Signaling of PSTN telephone line absence			
Total system activation	2 beeps	House, all red	See Installation Manual
Total system deactivation	2 beeps	House, all green	See Installation Manual
Partial system activation	2 beeps	House, some green, the remaining red	See Installation Manual
Partial system deactivation	2 beeps	House, some green, the remaining red	See Installation Manual
System in maintenance			

2.5   TELEPHONE COMMUNICATOR

If the Sch. 1057/008 central unit is equipped with the PSTN c/modem communicator module, events will be signaled with the following pre-recorded messages:

Event	Message
Intrusion	Intrusion alarm. Intrusion alarm.
Sabotage	Sabotage alarm. Sabotage alarm.
Battery Low	Battery low. Battery low.

3 SYSTEM USE

Warning: before any activation or deactivation operation, always check system status.

To check system status:
- on the Sch. 1057/008 central unit, examine the house icon on the display (active zones are showed with a white number on a black background);
- using the auxiliary control keyboard, insert a valid access code and press **OK** (**#**): in the house icon, activated zones are indicated by red LEDs, deactivated zones by green LEDs;
- using the remote controls, press the xx key (on the 3-key remote control) or key 4 (on the 5-key remote control) for 3 seconds: the red LED indicates an activated system, the green LED a deactivated system.

3.1 TOTAL ACTIVATION

3.1.1 WITH THE CENTRAL UNIT KEYBOARD
1. Insert a valid access code on the central unit keyboard (it must be able to activate and deactivate all zones), and press **OK** to confirm (in case of typing error, press **ESC** to cancel). The display shows:

where xxxx is the name of the user associated to the code.
2. Press the key **T4**: all system zones are activated, and the display shows

Warning: if the access code inserted is not enabled for all zones, only the zones for which it is enabled will be activated (shown with white numbers on a black background in the icon house).

3.1.2 WITH THE AUXILIARY KEYBOARD
1. Type a valid access code on the auxiliary keyboard (it must be able to activate and deactivate all zones) and press **OK (#)** to confirm (in case of typing error, press the *∗* key to cancel).
2. Wait for system status visualization (the LEDs of the "house" on the keyboard are illuminated: red = activated zone, green = deactivated zone) and press **T4**.
3. The LEDs of the "house" are turned off, and if activation is successful they will be turned again on after about ten seconds showing the new status of the system (red LED = activated zone).

Warning: if the access code inserted is not enabled for all zones, only the enabled zones will be activated (only some of the LEDs of the "house" turn red).

Warning: if after pressing T4, the intrusion alarm memory, the failure alarm memory, the system maintenance indication and the sabotage alarm memory LEDs are blinking red (see figure), this means that there has been a transmission error and that the command must be repeated.

3.1.3 WITH THE REMOTE CONTROL
1. Briefly press key 4 (key 3 on the 3-key remote control). Its LED blinks.
2. After a short moment, the LEDs of the keys 1, 2, and 3 turn red for 2 seconds confirming the activation of all zones.

3.2 TOTAL DEACTIVATION

3.2.1 WITH THE CENTRAL UNIT KEYBOARD
1. On the central unit keyboard, type in a valid access code (it must be able to activate and deactivate all zones) and press **OK** to confirm (in case of typing error, press **ESC** to cancel). The display shows:

where xxxx is the name of the user associated to the code.
2. Press **T5**: all system zones are deactivated, and the display shows

Warning: if the access code inserted is not enabled for all zones, only the zones for which it is enabled will be deactivated (the other zones will remain active and will be shown with white numbers on a black background in the icon house).

3.2.2 WITH THE AUXILIARY KEYBOARD
1. Type a valid access code on the auxiliary keyboard (it must be able to activate and deactivate all zones) and press **OK (#)** to confirm (in case of typing error, press the ✳ key to cancel). The status LED blinks green.
2. Wait for system status visualization (the LEDs of the "house" on the keyboard are illuminated: red = activated zone, green = deactivated zone) and press **T5**.
3. The LEDs of the "house" are turned off, and if deactivation is successful they will be turned on again after about ten seconds showing the new status of the system (green LED = deactivated zone).

Warning: if the access code inserted is not enabled for all zones, only the enabled zones will be deactivated (only some of the LEDs of the "house" turn green).

Warning: if after pressing T5, the intrusion alarm memory, the failure alarm memory, the system maintenance indication and the sabotage alarm memory LEDs are blinking red (see figure), this means that there has been a transmission error and that the command must be repeated.

3.2.3 WITH THE REMOTE CONTROL
1. Briefly press key 5 (key 3 on the 3-key remote control). Its LED blinks.
2. After a short instant, the LEDs of the keys 1, 2, and 3 turn green for 2 seconds confirming the deactivation of all zones.

3.3 PARTIAL ACTIVATION

It's possible to selectively activate one or more zones in order to guarantee anti-intrusion safety in rooms in which we are not present (for example the garage); proceed as follows.

3.3.1 WITH THE CENTRAL UNIT KEYBOARD
1. On the central unit keyboard, type in a valid access code (it must be able to activate and deactivate the requested zones) and press **OK** to confirm (in case of typing error, press **ESC** to cancel). The display shows:

where xxxx is the name of the user associated to the code.

2. Press the key corresponding to the zone that is to be activated: **T1** for zone 1, **T2** for zone 2 and **T3** for zone 3. The selected zone is activated, and is shown on the display as a white number on a black background inside the "house" (in the figure below, zone 1)

Warning: if the zone was already active, this operation will deactivate it.

3.3.2   WITH THE AUXILIARY KEYBOARD

1. Type a valid access code on the auxiliary keyboard (it must enable to activate and deactivate the requested zone) and press **OK** (**#**) to confirm (in case of typing error, press the * key to cancel).
2. Wait for system status visualization (the LEDs of the "house" on the keyboard are illuminated: red = activated zone, green = deactivated zone) and press the key corresponding to the zone that is to be activated: **T1** for zone 1, **T2** for zone 2 and **T3** for zone 3.
3. The LEDs of the "house" are turned off, and if activation is successful they will be turned on again after about 10 seconds showing the system's new status (red LED = activated zone).

Warning: if the zone was already active, this operation will deactivate it.

Warning: if after pressing T1, T2, or T3, the intrusion alarm memory, the failure alarm memory, the system maintenance indication and the sabotage alarm memory LEDs are blinking red (see figure), this means that there has been a transmission error and that the command must be repeated.

3.3.3   WITH THE REMOTE CONTROL

1. Briefly press the key of the zone to be activated: 1 for zone 1, 2 for zone 2 and 3 for zone 3 (1 for zone 1, 2 for zone 2 on the 3-key remote control). Its LED blinks.
2. After a short moment, the LED turns red for 2 seconds to confirm zone activation.

Warning: if the zone was already active, this operation will deactivate it.

3.4   PARTIAL DEACTIVATION

It's possible to deactivate one or more zones in order to allow access to selected rooms (for example the living room), while other areas in which we are not present remain protected. Proceed as follows.

3.4.1   WITH THE CENTRAL UNIT KEYBOARD

1. Type a valid access code on the auxiliary keyboard (it must enable to activate and deactivate the requested zone) and press **OK** to confirm (in case of typing error, press the **ESC** key to cancel). If, for example, zone 1 is active, the display shows:

```
┌─────────────────────────────┐
│ XXXX                    🏠🔒 │
│ FUNCTION KEYS           [1]  │
│                              │
│        00:00            ▓    │
└─────────────────────────────┘
```

where xxxx is the name of the user associated to the code, and the active zones are indicated by a white number on a black background inside the "house".

2. Press the key corresponding to the zone to be deactivated: **T1** for zone 1, **T2** for zone 2 e **T3** for zone 3. The selected zone is deactivated, and is no longer indicated on the display inside the "house"


```
┌─────────────────────────────┐
│                         🏠   │
│                              │
│        00:00            ▓    │
└─────────────────────────────┘
```

Warning: if the zone was already deactivated, this operation will activate it.

3.4.2   WITH THE AUXILIARY KEYBOARD

1. Type a valid access code on the auxiliary keyboard (it must enable to activate and deactivate the requested zone) and press **OK** (**#**) to confirm (in case of typing error, press the $*$ key to cancel). The status LED blinks green.
2. Wait for system status visualization (the LEDs of the "house" on the keyboard are illuminated: red = zone activated, green = zone deactivated) and press the key corresponding to the zone to be activated: **T1** for zone 1, **T2** for zone 2 and **T3** for zone 3.
3. The LEDs inside the "house" are turned off, and if activation is successful they turn on again after 10 seconds showing the system's new status (green LED = zone deactivated).

Warning: if the zone was already deactivated, this operation will activate it.

Warning: if after pressing T1, T2, or T3, the intrusion alarm memory, the failure alarm memory, the system maintenance indication and the sabotage alarm memory LEDs are blinking red (see figure), this means that there has been a transmission error and that the command must be repeated.

3.4.3   WITH THE REMOTE CONTROL

1. Briefly press the key of the zone to be deactivated: 1 for zone 1, 2 for zone 2 and 3 for zone 3 (1 for zone 1, 2 for zone 2 on the 3–key remote control). Its LED blinks.
2. After a short moment, the LED turns red for 2 seconds to confirm zone activation.

Warning: if the zone was already deactivated, this operation will activate it.

3.5 WHAT TO DO IN CASE OF SIGNALING ON THE CENTRAL UNIT

In case of signals on the central unit, the first thing to do is understand signal details according to the procedure indicated in paragraph *1.1.1   Icons and their Meanings.* Then, identify possible causes and solutions using the following table.

Icons	Signal Details	Cause	Solution
	Central unit sabotage, device sabotage	• Someone tried to remove or open the device, activating the anti-violation tamper • the device is not correctly mounted on the wall (or its cover is not perfectly closed)	Re-fasten the device or properly close the cover until the anti-violation tamper is correctly pressed; subsequently check that the sabotage alarm is no longer indicated
	Radio sabotage / jamming	The radio channel is disturbed	First check that it is not caused by an occasional disturbance (electric motor, non shielded electronic device): in this case, remove the device that is causing the disturbance or provide appropriate shielding; in all other cases, it is to be considered a hostile act on behalf of a criminal
	False code	The wrong code has been inserted for 4 times consecutively with the system active (possible attempt of fraudulent deactivation)	
	Detector intrusion	With the system activated, the indicated detector has been triggered (for example through the magnetic contacts by opening a protected door or window, or through the volumetric movement sensors)	• check if there has been an intrusion attempt, if doors or windows with magnetic sensors are closed correctly, and that there are no moving objects (i.e. ceilings fans, curtains or air conditioning flows) or rays of direct or reflected sunlight that may deceive the infrared detectors; verify that the alarm is no longer signaled • if no solution is found, temporarily deactivate the detector (see paragraph *4.3 Detectors Exclusion and Inclusion)* and immediately contact your installer
	PSTN network absent	The PSTN communicator module does not detect line voltage on the telephone line	See paragraph *7 Trouble* Shooting on page 26
	GSM network absent	• The GSM module does not detect the presence of the GSM phone network • SIM Card missing • SIM Card expired or with no credit	Insert the SIM Card, reactivate or recharge the SIM Card
	System maintenance	The technical menu has been activated	Press the ESC key to exit the «TECHNICAL» menu
	Alarm memory failure	Failure	See other active signals for details regarding the failure
	Batteries low	One or more batteries of the central unit or other system devices are low and must be replaced within a month (to identify the device with low batteries, press OK on the central unit keyboard)	Immediately contact your installer in order to replace the batteries of the indicated devices

4 SYSTEM MANAGEMENT

4.1 CHANGING TIME AND DATE

The display of the central unit alternatively shows the time and date. This information is included in every occurrence of the event memory. To change the time and date, for example for switching to daylight saving time, proceed as follows:
1. Type the Master access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, select the «SETTINGS» menu; press **OK** to confirm. The display shows:

```
SETTING
TIME AND DATE

    00:00
```

3. Press **OK**. The display shows:

```
TIME AND DATE
SET TIME

    00:00
```

4. Press **OK**. The display shows:

```
SET TIME
(HHMM)  hhmm

    00:00
```

where hh indicates the hours and mm the minutes set. Type in the current hours (from 00 to 23) and minutes (from 00 to 59) and press **OK** to confirm.
5. Press **OK**. The display shows:

```
TIME AND DATE
SET DATE

    00:00
```

6. Press **OK**. The display shows:

```
SET DATE
DD/MM/YY  ddmmyy

    00:00
```

where **dd** is the day, mm the month and **yy** the year set. Type in the day (from 00 to 31), the month (from 01 to 12) and the last two digits of the current year and press **OK** to confirm.
7. Press the **ESC** key repeatedly to exit the menu.

4.2 CHANGING THE ACCESS CODE

Each user can change his access code by proceeding as follows:
1. Type the current access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, select the «SETTINGS» menu; press **OK** to confirm.
3. Using the ► key, select the «CODE SETTINGS» menu; press **OK** to confirm. The display shows:

```
CODE
nnnn

    00:00
```

where **nnnn** is the current code.
4. Type in a new 4-digit code <u>different from the predefined codes</u> (1234 and from 0000 to 0016); press **OK** to confirm. The display shows:

```
┌─────────────────────────────────┐
│  RE-INSERT CODE        ╱▔▔▔╲    │
│                        ▔▔▔▔▔    │
│           00:00 🔧             │
│                        ⬤        │
└─────────────────────────────────┘
```
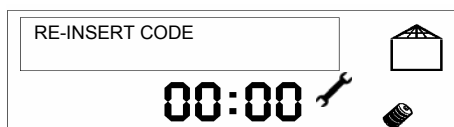
5. Re-insert the new code, and press **OK** to confirm. Press **ESC** repeatedly to exit the menu.

4.3   DETECTORS EXCLUSION AND INCLUSION

It's possible to <u>intentionally</u> include or exclude volumetric sensors, magnetic contacts and magnetic contact auxiliary detectors. This function may be useful, for example, to temporarily isolate a broken detector that continuously signals an alarm, allowing to therefore activate the antitheft system.

Warning: the exclusion function is an emergency solution only; the detector must be replaced and included as soon as possible in order to maintain the level of safety guaranteed by the system.

4.3.1 DETECTOR EXCLUSION
To execute a partial reset, proceed as follows:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the « TECHNICAL » menu and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «SETTINGS» menu and press **OK** to confirm.
5. Using the ► key, select the «EXCLUSION/INCLUSION SETTINGS» menu and press **OK** to confirm.
6. The list of detectors is visualized. Using the ► key, select the detector to exclude and press **OK** to confirm.
7. Using the ► key, select the menu « EXCLUSION/INCLUSION EXCLUSION» and press **OK** to confirm.
8. Press **ESC** repeatedly to exit the menu.

4.3.2 DETECTOR INCLUSION
To execute a partial reset, proceed as follows:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the «TECHNICAL» menu and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «SETTINGS» menu and press **OK** to confirm.
5. Using the ► key, select the «EXCLUSION/INCLUSION SETTINGS» menu and press **OK** to confirm.
6. The list of detectors is visualized. Using the ► key, select the detector to include and press **OK** to confirm.
7. Using the ► key, select the menu « EXCLUSION/INCLUSION INCLUDED» and press **OK** to confirm.
8. Press **ESC** repeatedly to exit the menu.

5   EVENT CHRONOLOGY

The last 128 events that regard the system (activation and deactivation, intrusion attempts, sabotage attempts, low battery signals, no PSTN line, absence of GSM network, etc.) are stored in the central unit's memory.

5.1   EVENT LIST

To visualize the list of events, proceed as follows:
1. Insert the Master access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, «EVENT MEMORY» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────────────┐
│  EVENT MEMORY          ╱▔▔▔╲    │
│  READ MEMORY           ▔▔▔▔▔    │
│           00:00               │
│                        ⬤        │
└─────────────────────────────────┘
```
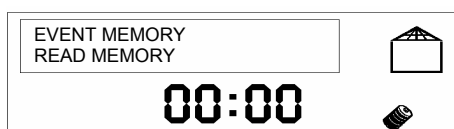
3. Press **OK** to confirm. The display shows the list of events memorized, starting from the most recent (number 001), like in the example shown below:

```
┌─────────────────────────────────┐
│  ●001 08:30 01/01      ╱▔▔▔╲    │
│  VALID CODE            ▔▔▔▔▔    │
│           00:00               │
│                        ⬤        │
└─────────────────────────────────┘
```

4. Press **OK** to read event details or the ► and ◄ keys to visualize the preceding or following events.
5. After consulting the event memory, press **ESC** repeatedly to exit the menu.

5.2   HOW TO INTERPRET INFORMATION

In the event memory, the following information is supplied for each event:
- Event start and finish (● = start, ○ = finish);
- Event's progressive number (lower numbers indicate more recent events);
- Event time and date. WARNING: time and date values are the ones set on the central unit; regarding the date, only the day and month are memorized;
- Specific event information

Examples

```
●012 08:30 16/03
VALID CODE
        00:00
```
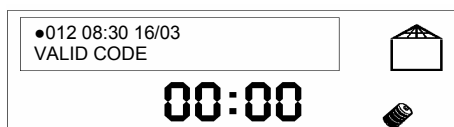
Event number 12: at 8.30 of March 16 a valid access code was inserted.

```
○095 14:27 03/01
MAINTENANCE
        00:00
```
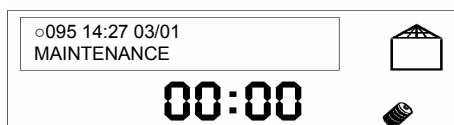
Event number 95 (precedes event 12): at 14.27 of January 3 the central unit exited the technical menu.

5.3   DELETING EVENT MEMORY

Warning: Deleting is an irreversible operation. For event memory operation, it's not necessary to delete memorized events since the Sch. 1057/008 central unit automatically eliminates the oldest event once 128 events are reached.

To delete memorized events proceed as follows:
1.   Insert the Master access code and press **OK** to confirm.
2.   Using the ► key, select the « TECHNICAL MENU» and press **OK** to confirm.
3.   Insert the Technical access code and press **OK** to confirm.
4.   The «EVENT MEMORY» menu is visualized: press **OK** to confirm. The display shows:

```
EVENT MEMORY
DELETE MEMORY
        00:00
```

5.   Press **OK** to confirm. Using the ► key, select the «CONFIRM YES» menu and press **OK** to confirm.
6.   The display shows:

```
EVENT MEMORY
DELETED
        00:00
```

confirming deletion.
7.   Press **ESC** repeatedly to exit the menu.

6 TELEPHONE COMMUNICATOR

Warning: all the functions illustrated in this chapter are available only for the Sch. 1057/008 central units equipped with the PSTN c/modem communicator module and connected to the telephone network (PSTN or GSM, if the central unit is also equipped with the GSM module).

6.1 USING THE KEYBOARD TO INSERT ALPHANUMERICAL CHARACTERS

The central unit's keyboard allows to type alphanumerical characters. Each key allows to select one or more characters, as shown in the table below. The blinking cursor indicates the insertion point of the new character. To type in using the keyboard (when required):

- Repeatedly press the key associated to the character desired until it appears,
- Use the ► and ◄keys to move to the previous or following position (to delete unnecessary characters, use the [space] character),
- press **OK** to memorize the name, or **ESC** to exit the procedure without memorizing.

Key	Characters
1	1 @ . , ; : ! " $ % & / ( ) + = ? ' _ - < >
2	A B C a b c 2
3	D E F d e f 3
4	G H I g h i 4
5	J K L j k l 5
6	M N O m n o 6
7	P Q R S p q r s 7
8	T U V t u v 8
9	W X Y Z w x y z 9
0	0 [space] +
*	*
#	#

6.2 OPERATING PRINCIPLES

In case of alarm, the Sch. 1057/008 central unit equipped with the communicator module (with enabled tone control):
- calls the first phone number configured to send alarm messages regarding the event;
- if the number called answers, it sends the message, hangs up and calls the next number;
- if the number called does not answer within 6 rings, it hangs up and calls the next number;
- after calling all the configured numbers, it retries to call all the numbers that did not answer the first time (at the most, 3 attempts for each phone number); the numbers that already answered are not recalled.

The voice message sent is composed of the main message followed by the specific message pre-recorded for that particular event.

Example

Imagine there is a sabotage attempt and that the configured phone numbers for this event are Telephone 1 (voice), Telephone 2 (voice), Telephone 4 (digital protocol) and Telephone 6 (SMS). Furthermore, imagine that Telephone 2, at the time of the call, is busy and does not answer.
The sequence of phone calls made by the Sch. 1057/008 central unit will be the following:

Telephone1 – Telephone2 – Telephone 4 – Telephone 6 – Telephone 2 – Telephone 2.

6.3 RECORDING THE MAIN MESSAGE

The objective of the main message is to notify where the event that caused the alarm is taking place. For example, the main message could be «Home of Ambrogio Brambilla, via Roma 56, Milan» or «Bar Al Chicco d'Oro, piazza Gauguin, Rome».
To record the main message, use the supplied earphone with microphone. The earphone plug must be inserted into the apposite jack located on the upper side of the central unit (see figure on page 4). Then proceed as follows:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm.
3. Using the ► key, select the «VOICE MESSAGE» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐    ┌──────┐
│ VOICE MESSAGE           │    │ ╱──╲ │
│ PLAYBACK               │    │ ───  │
│                         │    └──────┘
│        00:00            │       ▧
└─────────────────────────┘
```

4. Using the ► key, select the «RECORDING» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐    ┌──────┐
│ RECORDING.             │    │ ╱──╲ │
│ MAIN MESSAGE           │    │ ───  │
│                         │    └──────┘
│        00:00            │       ▧
└─────────────────────────┘
```

5. Press **OK**. After a short moment, a double beep in the earphone signals to start recording the main message. After about ten 10 seconds, a new double beep will signal the end of the recording.
6. Press **ESC** repeatedly to exit the menu.

6.4   MAIN MESSAGE PLAYBACK

To playback the main message, use the supplied earphone with microphone. The earphone plug must be inserted into the apposite jack located on the upper side of the central unit (see figure on page 4). Then proceed as follows:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm.
3. Using the ► key, select the «VOICE MESSAGE» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐    ┌──────┐
│ VOICE MESSAGE           │    │ ╱──╲ │
│ PLAYBACK               │    │ ───  │
│                         │    └──────┘
│        00:00            │       ▧
└─────────────────────────┘
```

4. Press **OK** to confirm. The display shows:

```
┌─────────────────────────┐    ┌──────┐
│ PLAYBACK               │    │ ╱──╲ │
│ MAIN MESSAGE           │    │ ───  │
│                         │    └──────┘
│        00:00            │       ▧
└─────────────────────────┘
```

5. Press **OK** to confirm. The display shows:

```
┌─────────────────────────┐    ┌──────┐
│ MAIN MESSAGE           │    │ ╱──╲ │
│ PLAYBACK........        │    │ ───  │
│                         │    └──────┘
│        00:00            │       ▧
└─────────────────────────┘
```

and after a short moment the recorded message will be played.
6. After message playback, press **ESC** repeatedly to exit the menu.

6.5   WRITING SMS MESSAGES

Warning: this function requires the installation of the GSM module.

It allows to write and memorize the SMS messages that the GSM module will send if an alarm event should occur. The message may be at the most 40 characters long, including spaces.
To write SMS messages, proceed as follows:
1. Insert the Master access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, select the «TECHNICAL MENU» and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ PHONE TRANSMIT.             │   │ ╱╲  │
│ TELEPHONE NUMBERS          │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```

5. Using the ► key, select the «ADVANCED 1» menu and press **OK**. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ ADVANCED 1                  │   │ ╱╲  │
│ TELESURVEIL CODE           │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```
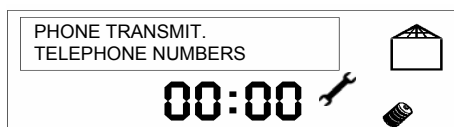
6. Using the ► key, select the «WRITE SMS» menu and press **OK**. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ WRITE SMS                   │   │ ╱╲  │
│ INTRUSION                   │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```

Using the ► key, select the type of event to which the SMS refers to, and press **OK** to confirm.
7. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ XXXX                        │   │ ╱╲  │
│                             │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```

where xxxx is the type of event selected. Insert the SMS message using the keyboard (for further information, see paragraph *6.1   Using the Keyboard to Insert Alphanumerical Characters).*
8. Press **OK** to confirm. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ WRITE SMS                   │   │ ╱╲  │
│ XXXX                        │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```

In order to write other SMS messages, use the ► key to select the appropriate event, press **OK** to confirm and repeat from point 7.
9. Press **ESC** repeatedly to exit the menu.

6.6   DELETING SMS MESSAGES

Warning: this function requires the installation of the GSM module.

Allows to delete previously memorized SMS messages.
To delete an SMS message, proceed as follows:
1. Type in the Master access code on the central unit keyboard and press **OK** to confirm.
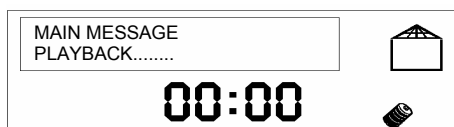2. Using the ► key, select the «TECHNICAL MENU» and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────────┐   ┌─────┐
│ PHONE TRANSMIT.             │   │ ╱╲  │
│ TELEPHONE NUMBERS          │   └─────┘
│                             │
│          00:00   ╱          │
└─────────────────────────────┘
```

5. Using the ► key, select the «ADVANCED 1» menu and press **OK** to confirm. The display shows:

```
ADVANCED 1
TELESURVEIL CODE

00:00
```

6.   Using the ► key, select the «DELETE SMS» menu and press **OK** to confirm. The display shows:

```
DELETE SMS
INTRUSION

00:00
```

Using the ► key, select the type of event to which the SMS to be deleted must refer, and press **OK** to confirm.

7.   The display shows:

```
xxxx
CONFIRM NO

00:00
```

where xxxx is the type of event selected. Using the ►key, select «CONFIRM YES» and press **OK**.

8.   The display shows:

```
DELETE SMS
XXXX

00:00
```

In order to delete other SMS messages, use the ► key to select the event to which they refer, press **OK** to confirm and repeat from point 7.
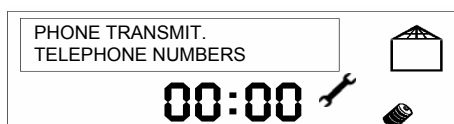
9.   Press **ESC** repeatedly to exit the menu.

6.7   SIM CARD EXPIRY REMINDER

Warning: this function requires the installation of the GSM module.

Sends the previously recorded SMS message «SIM EXPIRY» (see paragraph *6.5   Writing SMS Messages*) on the first day of the month selected as a reminder for upcoming SIM Card expiry. To insert the reminder, proceed as follows:

1.   Type in the Master access code on the central unit keyboard and press **OK** to confirm.
2.   Using the ► key, select the « TECHNICAL MENU » and press **OK** to confirm.
3.   Insert the Technical access code and press **OK** to confirm.
4.   Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:

```
PHONE TRANSMIT.
TELEPHONE NUMBERS

00:00
```

5.   Using the ► key, select the «ADVANCED 1» menu and press **OK** to confirm. The display shows:

```
ADVANCED 1
TELESURVEIL CODE

00:00
```
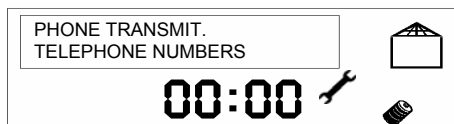
6.   Using the ► key, select the «SIM EXPIRY» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐
│ SIM EXPIRY              │      ╱╲
│ mmyy                   │     ╱▁▁╲
│                        │
│          00:00   ⚙     │
│                      ▤  │
└─────────────────────────┘
```

where mmyy indicates the month and year memorized.
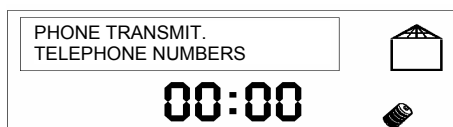7. Using the keyboard, insert the month previous to expiry, and the last two digits of the year of expiry of the rechargeable SIM Card. For example, if the SIM Card expires in May 2007, type "0407". Press **OK** to confirm.
8. Press **ESC** repeatedly to exit the menu.

Warning: in order to supply correct results, this function requires the correct setting of the date on the central unit Sch. 1057/008 (se paragraph *4.1   Changing Time and Date).*
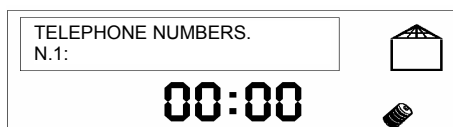
6.8   ADDING A NEW TELEPHONE NUMBER

It's possible to memorize up to 6 phone numbers that the central unit will call if specific events should occur. Each number may be long from 3 to 28 characters (digits or pauses). To add a new phone number proceed as follows:

1. Type the Master access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐
│ PHONE TRANSMIT.        │      ╱╲
│ TELEPHONE NUMBERS      │     ╱▁▁╲
│                        │
│          00:00         │
│                      ▤  │
└─────────────────────────┘
```

3. Press **OK**. The first memory position for phone numbers appears:

```
┌─────────────────────────┐
│ TELEPHONE NUMBERS.     │      ╱╲
│ N.1:                   │     ╱▁▁╲
│                        │
│          00:00         │
│                      ▤  │
└─────────────────────────┘
```
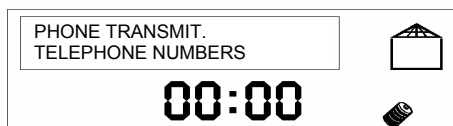
If a phone number has already been memorized it appears after «N.1:».
4. Using the ► key, select the desired memory position and confirm it by pressing **OK**.
5. Using the keyboard, insert the desired phone number. To insert a pause, press the ► key (the letter P appears). To delete the number press **ESC**. To modify a wrong digit, press the ◄ key until the cursor is positioned above that digit and insert the correct value.
6. Press **OK** to memorize the new phone number.
7. In order to insert other phone numbers, select a free memory position using the ► key, and repeat from point 5.
8. Press **ESC** repeatedly to exit the menu.

6.9   CHANGING A PHONE NUMBER

It's possible to modify the phone numbers that the central unit will call if specific events should occur. To modify a phone number proceed as follows:

1. Type the Master access code on the central unit keyboard and press **OK** to confirm.
2. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:

```
┌─────────────────────────┐
│ PHONE TRANSMIT.        │      ╱╲
│ TELEPHONE NUMBERS      │     ╱▁▁╲
│                        │
│          00:00         │
│                      ▤  │
└─────────────────────────┘
```

3. Press **OK**. The first memory position for phone numbers appears:

```
┌─────────────────────────┐
│ TELEPHONE NUMBERS      │      ╱╲
│ N.1:                   │     ╱▁▁╲
│                        │
│          00:00         │
│                      ▤  │
└─────────────────────────┘
```

4. Using the ► key, select the phone number to be modified and confirm it by pressing OK.

5. Delete the existing number by pressing **ESC,** and insert the new phone number using the keyboard (long up to 28 characters of digits or pauses). To insert a pause, press the ► key (the letter P appears). To delete the number press **ESC**. To modify a wrong digit, press the ◄ key until the cursor is positioned above that digit and insert the correct value.
6. Press **OK** to memorize the new phone number.
7. In order to modify other phone numbers, select them by using the ► key and repeat from point 4.
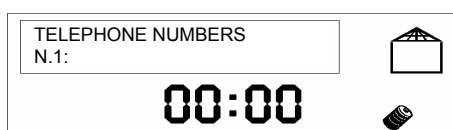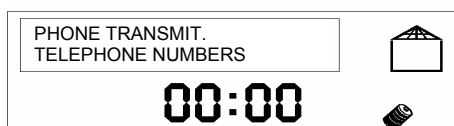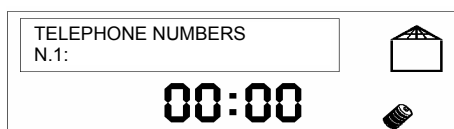8. Press **ESC** repeatedly to exit the menu.

6.10   DELETING A TELEPHONE NUMBER

It's possible to delete any one of the phone numbers that the central unit will call if specific events should occur. To delete a phone number proceed as follows:

1. Type the Master access code on the central unit keyboard and press **OK** to confirm
2. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm. The display shows:
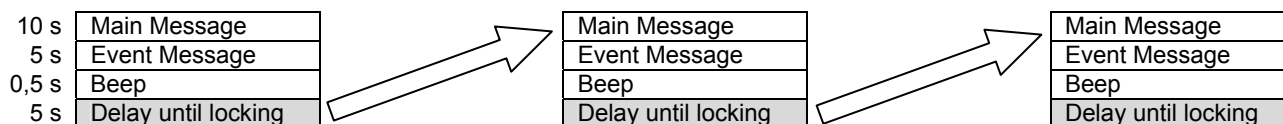
```
┌─────────────────────────┐   ┌─────┐
│ PHONE TRANSMIT.         │   │ ▱   │
│ TELEPHONE NUMBERS       │   └─────┘
│                         │
│      00:00              │   ▱
└─────────────────────────┘
```

3. Press **OK**. The first memory position for phone numbers appears:

```
┌─────────────────────────┐   ┌─────┐
│ TELEPHONE NUMBERS       │   │ ▱   │
│ N.1:                    │   └─────┘
│                         │
│      00:00              │   ▱
└─────────────────────────┘
```

4. Using the ► key, select the phone number to be deleted and confirm it by pressing OK.
5. Delete the existing number by pressing **ESC** and press **OK** to confirm.
6. In order to delete other phone numbers, select them using the ► key and repeat from point 5.
7. Press **ESC** repeatedly to exit the menu.

6.11   INTERRUPTING THE CYCLE OF ALARM PHONE CALLS

The phone alarm message is repeated 3 times, as shown in the following scheme where "main message" is the personalized message recorded by the user (for example «Home of Paolo Verdi, via Roma 15, Milan») and "event message" is the specific alarm message pre-recorded at the plant (see paragraph *2.5   Telephone Communicator* on page 9).

10 s	Main Message		Main Message		Main Message
5 s	Event Message	⟹	Event Message	⟹	Event Message
0,5 s	Beep		Beep		Beep
5 s	Delay until locking		Delay until locking		Delay until locking

During message playback, it's possible to interrupt the repetition of the current voice message by typing the code 22 on a push-button phone with DTMF tones, as in the example that follows.

10 s	Main Message				
5 s	Event Message				
0,5 s	Beep				
5 s	Delay until locking	⟹	TYPE 22	⟹	CYCLE BLOCKED
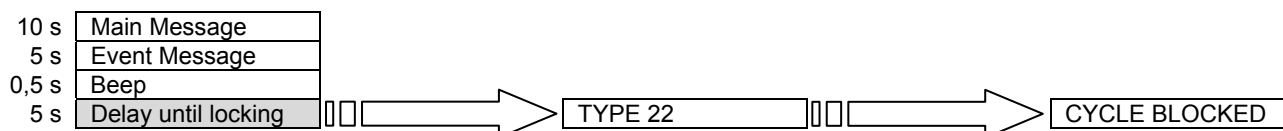
It is also possible to interrupt the sequence of all calls by typing a valid access code on the keyboard. This function is very useful when more than one phone number has been configured to receive that type of alarm (for example office, personal mobile phone and parents) and, after receiving the first alarm, it is not necessary that the alarm is notified to others.

6.12   REMOTE CONTROLLING

With a DTMF tone telephone, it's possible to remotely control the Sch. 1057/008 central unit equipped with PSTN c/modem communicator module. The possible actions are:
- activation of the anti-theft system (requires previous authorization, see the following paragraph);
- deactivation of the anti-theft system (requires previous authorization, see the following paragraph);
- activation of the central unit's relay A auxiliary output;
- activation of the central unit's relay B auxiliary output.

If an alarm should occur during the remote controlling procedure, the central unit emits a long beep and refuses activation or deactivation commands: it's necessary to interrupt the control procedure and free the phone line.

6.12.1 REMOTE ACTIVATION / DEACTIVATION AUTHORIZATION AND REVOCATION

To carry out remote activation and deactivation of the antitheft system, it's necessary to authorize the "answer incoming calls" function of the central unit. The central unit in this case will answer incoming calls except when an alarm signal is being sent.

To authorize the answer to incoming calls:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the «TECHNICAL MENU» and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm.
5. Using the ► key, select the «PHONE TRANSMIT. ADVANCED 1» menu and press **OK** to confirm.
6. Using the ► key, select the «ADVANCED 1 ANSWERING DEVICE» menu and press **OK** to confirm. The display shows:

```
ANSWERING DEVICE
PSTN
          00:00
```

7. Press **OK** to confirm. The display shows:

```
PSTN ANSWER DEVICE
DEACTIVATE
          00:00
```

8. Using the ► key, select the number of rings (2, 4 or 8) after which the central unit will answer incoming calls and press **OK** to confirm.
9. Press **ESC** repeatedly to exit the menu.

To revoke the answering of incoming calls:
1. Insert the Master access code and press **OK** to confirm.
2. Using the ► key, select the « TECHNICAL MENU » and press **OK** to confirm.
3. Insert the Technical access code and press **OK** to confirm.
4. Using the ► key, select the «PHONE TRANSMIT.» menu and press **OK** to confirm.
5. Using the ► key, select the «PHONE TRANSMIT. ADVANCED 1» menu and press **OK** to confirm.
6. Using the ► key, select the «ADVANCED 1 ANSWERING DEVICE» menu and press **OK** to confirm. The display shows:

```
PSTN
ANSWERING DEVICE
          00:00
```

7. Press **OK** to confirm. The display shows:

```
PSTN ANSWERING DEVICE
n RINGS
          00:00
```

where **n** indicates the number of rings after which the central unit responds to incoming calls.
8. Using the ► key, select the «DEACTIVATE» menu to deactivate answering incoming calls and press **OK** to confirm.
9. Press **ESC** repeatedly to exit the menu.

6.12.2 ANSWERING MACHINE

If the same PSTN telephone line requires the installation of an answering machine, the central unit must respond after a number of rings greater than that of the answering machine (for the related instructions, se paragraph *6.12.4 Connecting to the central unit*).

In this case, to connect to the central unit, it necessary to:
1. Call the central unit's phone number.
2. After the first ring, hang up. The central unit will respond to the <u>first incoming call</u> after the first ring.
3. Connect to the central unit as explained paragraph *6.12.4 Connecting to the Central Unit.*

6.12.3 CENTRAL UNIT SIGNALS
To communicate the results of the commands, the central unit sends out acoustic signals:
• a beep-beep 0,5 seconds long to confirm the correct reception and acceptance of the numbers inserted;
• a long beep to indicate:
• a programmed output different from "Service";
• wrong access code;
• wrong command.

6.12.4 CONNECTING TO THE CENTRAL UNIT
To connect to the central unit:
1. Dial the central unit's phone number
2. The central unit responds with a beep-beep after the number of configured rings (to change the number of rings see chapter 6.12.1   Remote Activation / Deactivation Authorization and Revocation).
3. After the central unit has confirmed connection, move on to the remote controlling procedure.

6.12.5 REMOTE CONTROLLING PROCEDURE
Follow the procedure illustrated below to control the central unit Sch. 1057/008 from a distance.

Step	Required Action	Digits to type on the keyboard	Central Unit's Signal	Meaning of the central unit's signal
1	Phone connection to the central unit	PSTN line phone number	Answer tone	Connection successful
2	User authentication	Master user code (4 digits)	beep-beep (0,5 seconds) beep-beep (0,5 seconds) beep-beep (0,5 seconds) beep-beep (0,5 seconds)	First digit received Second digit received Third digit received Fourth digit received
3	End of authentication	#	beep-beep (0,5 seconds)	Code accepted
4	Type of command to send	3 = switching system status, or 5 = switching relay outputs	beep-beep (0,5 seconds)	Type of command received
5	In case of relay output switching, specify the related output	1 = relay output A or 2 = relay output B	beep-beep (0,5 seconds) + "Output A activated" or "Output B activated"	Command successful (Warning: indicates that the relay has been correctly closed and reopened, not that the device connected to the relay worked correctly)
6	In case of system status switching, specify activation or deactivation	1 = system activation	beep-beep (0,5 seconds) + "System Activated"	Command successful
		0 = system deactivation	beep-beep (0,5 seconds) + "System deactivated"	Command successful

A beep-beep-beep-beep-beep-beep of the central unit indicates an error and that the command has not been executed; the entire procedure must be repeated.

6.12.6 EXAMPLES

Command	Actions required after connecting to the central unit
Activation of the antitheft system	"**Access code**" + **#31** After listening to the activation confirmation message, hang up
Deactivation of the antitheft system	"**Access code**" + **#30** After listening to the deactivation confirmation message, hang up
Activation of the relay A auxiliary output	"**Access code**" + **#511** After listening to activation confirmation message, hang up
Activation of the relay B auxiliary output	"**Access code**" + **#521** After listening to the activation confirmation message, hang up

7   TROUBLE SHOOTING

7.1   THE TELEPHONE LINE HAS NO SIGNAL

Connect a telephone to the phone line used by the Sch. 1057/008 central unit: if there is no free phone line signal it means that the phone line is not active, and that it's necessary to contact your local telephone operator carrier.
If the phone line is active, but the central unit continues to signal no phone line, contact your installer to check that the connection between the central unit Sch. 1057/008 and the phone line has not been damaged.

7.2   THE TELEPHONE LINE WORKS BUT IT'S NOT POSSIBLE TO SEND PHONE MESSAGES

If the Sch. 1057/008 central unit does not signal an absent telephone line, but it's still not possible to send phone messages, check the following:
- If the central unit is connected to the local phone network through a switchboard, be sure that it has been configured correctly (see paragraph *9.11.1 PSTN Parameters* of the Installation and Programming Manual);
- If the central unit uses the GSM module, be sure that the SIM Card, if rechargeable, has not run out of credit.

7.3   RADIO SABOTAGE SIGNALING

Radio sabotage signaling may be caused by two circumstances:
1. a fraudulent attempt to violate the alarm system: if this is the case, contact your installer for a general inspection, and if necessary recover the system's full efficiency.
2. changes in the environment in which the system operates: check that the signaled device is not covered by material that blocks the passage of radio waves, or that in the vicinity there are no electric motors, household appliances, or electrical or electronic devices in operation (some devices on the market do not comply with specific standards and may cause radiofrequency interference). Remove material or turn off these devices if present. If the problem persists, contact your installer.

8   GLOSSARY

Chime-gong	Acoustic warning used to automatically signal the arrival of a person.
DTMF	Acronym for Dual Tone Multi Frequency. Indicates the "tone" composition mode of a phone, as apposed to "decadic".
GSM	Acronym for Global System for Mobile. Indicates an international standardized system for mobile digital telecommunications (in other words "cellular" phones).
Jamming	Intentional disturbance – by means of interference, high power broadcasting, masking – used to block the reception of comprehensible radio signals.
PSTN	Acronym for Public Switched Telephone Network. Indicates the entire analogue phone network and in general any analogue phone line.
SIM Card	Card that identifies the subscriber of a mobile phone service, and that must be inserted into the cellular phone or equivalent device.
Tamper	A device's micro-contact protection
Zone	Each of the areas that compose an anti-intrusion system. Dividing the rooms that are to be protected and the protection devices into more than one zone is recommended, since it enables to activate, if necessary, only the required detectors. The result is an increase in safety, and greater comfort because rooms that do not require our presence are protected, while it's possible to move freely in others.

NOTE

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